COMPANY OVERVIEW

Greenhouse Goodness

- Houweling's grows a wide array of tomatoes and cucumbers from staples such as Tomatoes on the Vine, Roma, and Long English Cucumbers to our Sweetoms Grape Tomatoes, Snacking Medleys, Signature Heirlooms and more
- Each Variety is harvested ripe in our greenhouse to achieve the best flavor, consistency and quality that our fans have come to love and demand
- Over 200 acres of year-round, intercropped greenhouse tomatoes and cucumbers

Houweling's Farms

- Delta, BC (50 acres)
- Camarillo, CA (125 acres)
- Mona, UT (28 acres)

Partner Farms

- Abbotsford, BC (15 acres)
- Mexico (60 acres)

LEADERSHIP IN SUSTAINABILITY

Sustainability Highlights

Our respect for the earth inspires us to innovate and invest in sustainable practices. Our vision for sustainability is based on the principles of environmental soundness, economic feasibility, and social equity.

- Year-round locally grown tomatoes results in drastically fewer emissions related to freight in comparison to imports.
- Hydroponic irrigation & recirculation results in 1/6th the water usage vs. field grown.
- Ability to capture and store rainwater and run-off in 4 acre retention pond and use for irrigation (CA)
- Annual production of 125 acre CA farm is the equivalent KG to over 3000 acres of field.
- Controlled environment allows for increased effectiveness of biologicals & fewer pesticides (IPM)
- Grafted seedlings deliver stronger plants
- Year round employer

MASTERY UNDER GLASS
Cary Houweling
HOUWELING'S TOMATOES™

GROWING A GREENER TOMATO

One of North America's largest greenhouse tomato growers, Houweling's Tomatoes, built the first combined heat and power (CHP) greenhouse project in the U.S. that captures carbon dioxide (CO_2) for use in plant fertilization.

NATURAL GAS

JENBACHER J624

Three GE ecomagination-qualified Jenbacher J624 gas engines

CO_2 FERTILIZATION PROCESS

CO_2 from the engine's exhaust is purified and piped into the greenhouse as fertilizer, diverting 32,100 tons of CO_2 yearly, equal to **yearly CO_2 emissions of more than 6,000 cars**.

HEAT

Heat produced from the engines during power generation — more than 15.9 MW of thermal power — is captured in thermal storage tanks and used to heat the greenhouses.

POWER

The gas engines provide 13.2 MW of electrical power — **enough for approx. 13,200 average homes** — to meet greenhouse needs and supply energy back to the community grid.

CONDENSED WATER

Water is condensed out of the exhaust gas system, conserving water from the Central Valley, to provide approx. **14,250 gallons of water per day** to greenhouse operations.

FROM WASTE TO VALUE

The process provides power, heat, water and CO_2 fertilization for Houweling's Tomatoes' 125-acres in Camarillo, CA.

COMMUNITY POWER GRID

WWW.FACEBOOK.COM/HOUWELINGSTOMATOES

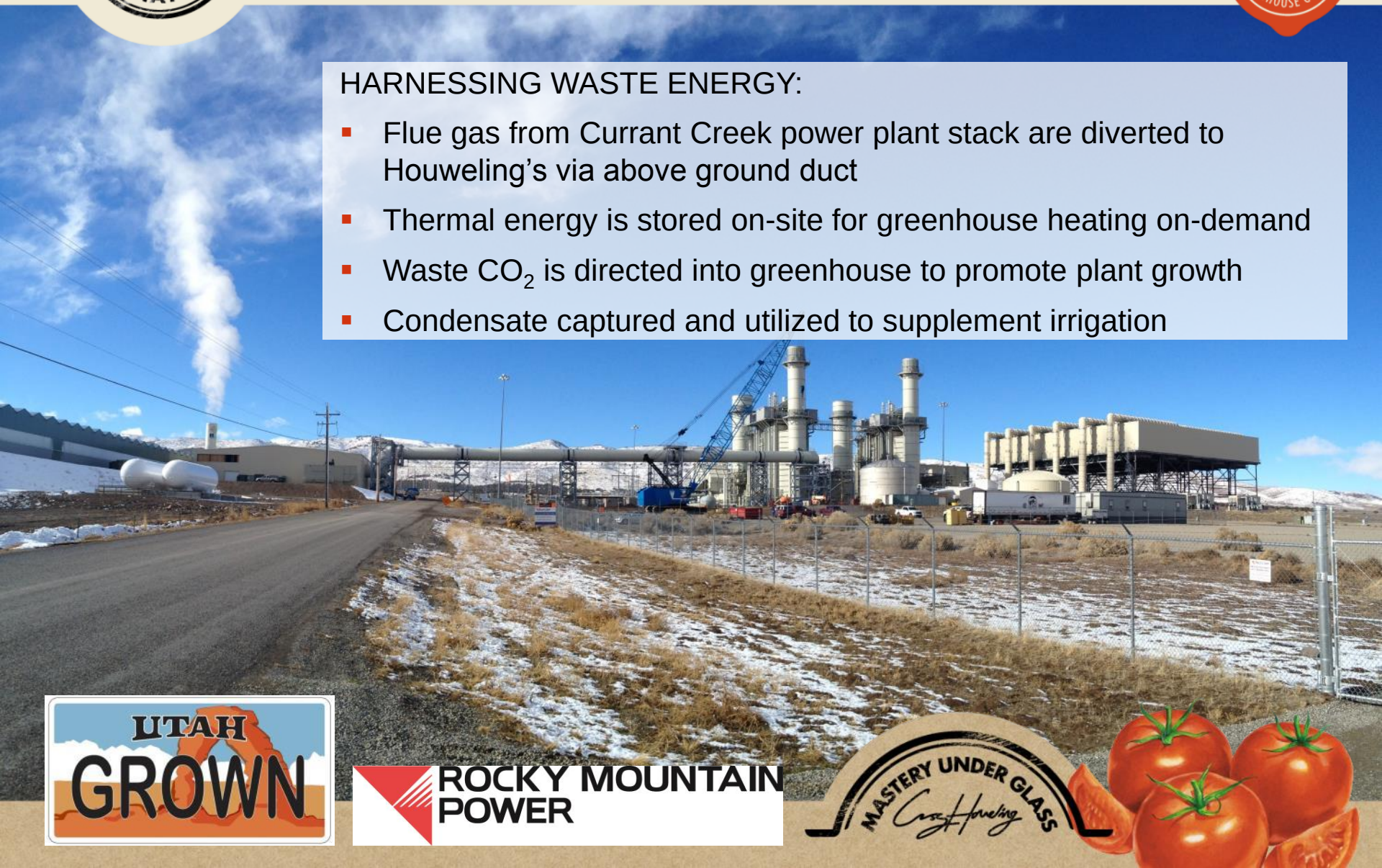
WWW.TWITTER.COM/@HOUWELINGS_ & #365GREEN

WWW.HOUWELINGS.COM

UTAH'S CROWN JEWEL OF ENERGY INNOVATION

HARNESSING WASTE ENERGY:

- Flue gas from Currant Creek power plant stack are diverted to Houweling's via above ground duct
- Thermal energy is stored on-site for greenhouse heating on-demand
- Waste CO_2 is directed into greenhouse to promote plant growth
- Condensate captured and utilized to supplement irrigation



HOUWELING'S UTAH H_20

- Flu Gas Condensate (8.3 million US gallons annually)
- Condensation Recovery (off the inside of glass)
- Potential Rainwater Capture
- Well Water
- No Ag run-off, 100% recycled